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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/492,982 01/27/00 FARMWALD

M P043D2C3C

EXAMINER

MMC2/0522

NGUYEN, T

ART UNIT PAPER NUMBER

2818

DATE MAILED:

05/22/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary	Application No.	Applicant(s)
	09/492,982	FARMWALD ET AL.
	Examiner Tan T. Nguyen	Art Unit 2818

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 27 April 2001.

2a) This action is FINAL. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 151-174 and 176-186 is/are pending in the application.

4a) Of the above claim(s) 1-150 and 175 is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 151-174 and 176-186 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claims _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are objected to by the Examiner.

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

15) Notice of References Cited (PTO-892) 18) Interview Summary (PTO-413) Paper No(s). _____.

16) Notice of Draftsperson's Patent Drawing Review (PTO-948) 19) Notice of Informal Patent Application (PTO-152)

17) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 17-19.21. 20) Other: _____

Art Unit: 2818

1. The following action is in response to the amendment filed by Applicants on April 27, 2001.

2. Claim 151-174 and 176-177 are pending.

New claims 178-186 have been added.

3. The Information Disclosure Statements submitted by Applicants on February 12, 2001, March 12, 2001, April 27, 2001 and May 10, 2001 have been received and fully considered.

4. Claims 151-174 and 176-186 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Applicants failed to provide an adequate written description of how the memory controller provides the block size information to the memory device. The Examiner was unable to find the support for the memory controller in the specification.

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 151-153, 156, 159-162, 166-167, 171-172, 174, 178, 180, 182-184, 186, as best understood, are rejected under 35 U.S.C. 102(b) as being anticipated by Laid Open Patent Application Sho 60-55459 (hereinafter JP '459).

JP '459 disclosed in figures 4-5 a memory control device [2] for controlling the

block data transfer to and from memory [1]. In page 6, JP '459 disclosed a method for write access wherein a function signal [231] and data [233] from the access origin are set in a function register [209] and a write data register [207]. If block data transfer control circuit [206] decodes the contents of function register [209] and detects that it is a write request for the transfer origin address, the content of write data register [207] are set in transfer destination address counter [202], and response [230] is transferred to the access origin (page 6, lines 34-38). JP '459 further disclosed as the memory function signal [241] is made the write mode, and the contents of transfer destination address counter [203] are output as memory address signal [242], memory data [243] is transferred to and stored at the transfer destination memory area (page 7, lines 32-34).

7. Claims 154-155, 157-158, 163-165, 168-170, 173, 176-177, 179, 181, 185 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan T. Nguyen whose telephone number is (703) 308-1298. The examiner can normally be reached on Monday to Friday from 08:00 AM to 04:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Nelms, can be reached on (703) 308-4910. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7724.

Art Unit: 2818

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



Tan T. Nguyen
Primary Examiner
Art Unit 2818